

IN THE CLAIMS

Please amend Claims 1-19 and add new Claims 20-29, all without prejudice or disclaimer.

1. (Currently Amended) Method A method of transmitting signals, ~~e.g. control signals, request signals, interrogation signals etc.~~ to a controllable node in the form of a controllable unit associated with a device, ~~e.g. a controllable device, measuring means, etc. and wherein said,~~ the controllable node unit may be linked to at least one further other node by means of via a communication bus, ~~at least one of said nodes comprising radio frequency receiving means,~~ said the method comprising the steps of:

- a) transmitting a signal from a controller using a radio frequency transmission means,
- b) ~~reception of said~~ receiving the transmission signal by at least said a node ~~comprising having a~~ radio frequency receiving means configuration,
- c) ~~detection of~~ detecting at least part of said the transmission signal indicating a destination node, and
- d) ~~retransmittal of said~~ retransmitting at least a part of the transmission signal or part of said signal by said the node ~~comprising having the~~ radio frequency receiving means configuration to said the destination node via ~~said the~~ communication bus.

2. (Currently Amended) Method The method according to claim 1, ~~characterized in that that method comprises a procedure for~~ further comprising the step of determining a timeslot in which ~~said retransmittal~~ the retransmitting step is performed by said the node ~~comprising having the~~ radio frequency receiving means configuration.

3. (Currently Amended) Method The method according to claim 2, wherein the ~~characterized in that said procedure for determining a timeslot comprises a random selection of a timeslot~~ is randomly selected.

4. (Currently Amended) Method The method according to claim ~~[[2]]~~ 3, wherein the ~~characterized in that said~~ transmission signal ~~may be~~ is received by at least two nodes ~~comprising having respective~~ radio frequency receiving means configurations and ~~that~~

~~said retransmittal~~ the retransmitting step is performed only by the node for which ~~[[the]]~~
an earliest occurring timeslot has been selected.

5. (Currently Amended) ~~Method~~ The method according to claim 1, wherein
~~characterized in that~~ said at least part of said the transmission signal indicating a the
destination node ~~comprises~~ includes an identification of the destination node, ~~for example~~
~~an address~~.

6. (Currently Amended) ~~Method~~ The method according to claim 1, wherein
~~characterized in that said retransmittal of said received signal~~ the retransmitting step is
performed by ~~means of~~ a wired communication bus.

7. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the
transmitting step is performed ~~characterized in that said signal is transmitted to said node~~
~~comprising radio frequency receiving means by means of~~ a wireless radio frequency
remote control.

8. (Currently Amended) ~~Method~~ The method according to claim 1, ~~characterized~~
~~in that the method further comprising the steps comprises transmittal of~~ transmitting a
response signal from the destination node, ~~said~~ the response signal including one of
~~comprising e.g. an acknowledgement, a request, a measured value or combinations~~
~~thereof, etc. and being transmitted via said communication bus and by means of said node~~
~~having transmitted the signal to the controller having transmitted said signal, e.g. and~~
routing the response signal corresponding to ~~[[the]]~~ a routing of ~~said~~ the transmission
signal.

9. (Currently Amended) ~~System~~ A system for transmission of signals, the system
comprising:

~~e.g. control signals, request signals, interrogation signals etc. to a~~ controllable
~~node in the form of a controllable unit associated with a device, e.g. a controllable device,~~
~~measuring means, etc. wherein said~~ the controllable node unit may be linked to at least
~~one further other node by means of~~ via a communication bus, wherein at least one of said
the nodes comprises is configured to receive a radio frequency receiving means for
reception of at least one signal from among the plurality of signals, the signal transmitted
from at least one controller using a radio frequency, ~~transmission means comprised in the~~
system

~~and wherein said at least one node comprising radio frequency receiving means for reception of radio frequency signals have means for detection of at least part of said the signal[[s]] indicating a destination node and means for retransmitting of a the received signal or information therein comprised herein via said the communication bus the means for detection and the means for retransmitting associated with the at least one receiving node.~~

10. (Currently Amended) ~~System~~ The system according to claim 9, ~~characterized in that said system further comprises comprising a plurality of said the nodes in the form of controllable units[[,]] each associated with [[a]] respective devices, and that said system comprises one or more at least one communication bus[[es]], each the communication bus defining a subnet in the system and each being linked to at least one of said the nodes configured to receive the signal comprising radio frequency receiving means; and wherein transmission of signals to [[and/]]or from said the subnet[[s]] may be is performed by means for transmitting a radio frequency transmission means.~~

11. (Currently Amended) ~~System~~ The system according to claim 9, ~~characterized in that said wherein the node[[s]] includes comprise identification means, e.g. means for storing an e.g. address, and means for identifying an identification part of [[a]] the received signal.~~

12. (Currently Amended) ~~System~~ The system according to claim 9, ~~characterized in that said at least one node comprising radio frequency receiving means comprises further comprising means for initiating a re-transmittal of at least a portion of a received signal or part hereof, e.g. in case of reception of a signal with an identification part different from the identification of node in question.~~

13. (Currently Amended) ~~System~~ The system according to claim 9, ~~further comprising characterized in that said at least one controller using radio frequency transmission means comprises remote control means for transmission of said the signals to one or more of said at least one node[[s]] comprises in the system.~~

14. (Currently Amended) ~~System~~ The system according to claim 9, ~~wherein the characterized in that said communication bus comprises has a communication channel made operable operating by means of a wired connection[[s]].~~

15. (Currently Amended) ~~System~~ The system according to claim 9, further comprising ~~characterized in that said at least one of said nodes comprising radio frequency receiving means comprises~~ means for establishing and storing a table ~~comprising~~ having identification of destination nodes linked by a communication bus; ~~e.g. comprised in a subnet of the system.~~

16. (Currently Amended) ~~System~~ The system according to claim 9, further comprising ~~characterized in that said nodes comprise a power supply means, preferably connected to a plurality of said~~ the nodes by means of a power supply line.

17. (Currently Amended) ~~System~~ The system according to claim 16, ~~characterized in that said wherein the communication bus comprises~~ includes a communication channel configured to operate by ~~operating by means of said power supply line, e.g. by means of a modulation technique, or superimposing technique, etc~~ superimposition.

18. (Currently Amended) ~~System~~ The system according to claim 9, ~~wherein characterized in that~~ at least one of said the nodes on ~~[[the]]~~ a subnet comprises control means for performing ~~a general control of simultaneously and/or sequentially performed operations by the device[[s]] involved in the system and in relation to other nodes in the system, e.g. in order to prioritise~~ prioritize the operations in consideration of certain resources such as available power, etc., said the control means comprising including means for keeping account of available ~~resource(s)~~ resources, means for accepting or denying requests from nodes on the subnet, ~~to which nodes said devices are related,~~ means for aborting ~~current~~ at least one of the operations of said nodes and/or, means for valuating requests ~~and/or current~~ and the operations in view of a priority value, or combinations thereof.

19. (Currently Amended) ~~System~~ The system according to claim 9, ~~wherein characterized in that said radio frequency the node for receiving the signal means is~~ may be designed as a transceiver means, e.g. in order configured to respond to received signals by transmitting a response signal ~~comprising e.g. including~~ an acknowledgement, a request, a measured value ~~[[etc]]~~ or combinations thereof.

20. (New) The method according to claim 5, wherein the identification of the destination node is an address.

21. (New) The method according to claim 1, wherein the transmission signal is selected from the group consisting of a control signal, a request signal, an interrogation signal and combinations thereof.

22. (New) A system for controlling a device, the system comprising:
a communication bus having a plurality of nodes, at least one of the nodes being a controllable node;

a controllable device in communication with the controllable node;

a controller in communication with the controllable node, the controller configured to transmit an electromagnetic signal to the controllable node, the controllable node configured to detect a destination signal embedded in the electromagnetic signal;
and

a plurality of destination nodes in communication with the communication bus, the destination signal designating a specific destination node associated with the controllable device from among the plurality of destination nodes, the specific destination node configured for transmitting a response signal in response to at least a portion of the destination signal and for sending at least another part of the destination signal to the controllable device.

23. (New) The system according to claim 22, wherein the controllable device and the controller are wirelessly linked to nodes.

24. (New) The system according to claim 22, wherein the controllable device and the controller are hard-wired to the nodes.

25. (New) The system according to claim 22, further comprising a plurality of controllable devices, wherein the destination signal designates a specific controllable device for control.

26. (New) The system according to claim 22, wherein the electromagnetic signal, the destination signal and the response signal are transmitted during predefined timeslots to avoid interference.

27. (New) The system according to claim 22, wherein the specific destination node is identified by a priority value, an address, a radio frequency, a response value, or combinations thereof.

28. (New) The system according to claim 22, wherein the controllable device and the specific destination node transmits the response signal in a random timeslot.

29. (New) The system according to claim 22, wherein the at least another part of the destination signal is a control signal to control the controllable device.